



Philips Matchline  
widescreen flat TV with  
Pixel Plus 2 and Ambilight

42"

plasma Progressive Scan

**MATCHLINE**

42PF9976



# The ultimate viewing experience

with Pixel Plus 2 and Ambilight

Enjoy the ultimate viewing experience as Ambilight and Pixel Plus 2 elevate picture quality to a new level. Unprecedented viewing comfort, the latest Plasma Display technology and a stunning design enhance your interior.

## Be an eyewitness

- High-definition plasma WXGA display, 1024x768p
- Pixel Plus 2 for better details, depth and clarity
- Digital Natural Motion for smooth moving images
- Progressive Scan component video for optimized image quality
- 3D combifilter separates colors for a razor-sharp image

## Add a new dimension to your viewing

- Full-color ambient lighting enhances the viewing experience

## Impressive sound

- Virtual Dolby Surround for a cinema-like audio experience

## Connects to your premium audio/video products

- HDMI input for full digital HD connection in one cable

**PHILIPS**  
sense and simplicity

## Specifications

### Picture/Display

- **Aspect ratio:** 16:9
- **Brightness:** 1000 cd/m<sup>2</sup>
- **Contrast ratio (typical):** 3000:1
- **Diagonal screen size:** 42 inch / 107 cm
- **Display screen type:** Plasma HD panel
- **Picture enhancement:** Pixel Plus, Digital Crystal Clear, Progressive Scan, 3D Combfilter, Active Control + Light sensor, Digital Natural Motion, Jagged Line Suppression, Movie Plus, Widescreen Plus
- **Screen enhancement:** Anti ageing circuit, Anti-Reflection coated screen
- **Viewing angle (h / v):** 160 / 160 degree
- **Panel resolution:** 1024 x 768p

### Ambilight

- **Ambilight Features:** Auto adaptive to video content, Full operation in stand-by
- **Color Settings:** Full Multi Color
- **Dimming Function:** Manual and via Light Sensor
- **Preset modes:** 2 Active Adaptive preset modes, 6 Preset modes and user preset

### Supported Display Resolution

#### Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz

#### Video Formats

Resolution	Refresh rate
640 x 480i	1Fh
640 x 480p	2Fh
720 x 576i	1Fh
720 x 576p	2Fh
1280 x 720p	3Fh
1920 x 1080i	2Fh

### Sound

- **Sound Enhancement:** Auto Volume Leveller, Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equaliser, Smart Sound
- **Sound System:** Virtual Dolby Surround
- **Output power (RMS):** 2x15W

### Loudspeakers

- **Built-in speakers:** 4
- **Loudspeaker types:** Dome tweeter, Integrated woofers with wOOx

### Convenience

- **Ease of Installation:** Automatic Tuning System (ATS), PLL Digital Tuning, Plug & Play
- **Ease of Use:** 9-channel smart surf list, Backlighting side controls, Channel list, Delta Volume per preset, Smart Picture Control, Smart Sound Control
- **Remote control type:** RC4307
- **Teletext:** Closed Captioning Full Text
- **Remote Control:** Universal
- **Remote control:** TV, VCR, DVD/R, SAT, CBL, AMP
- **Screen Format Adjustments:** 6 Widescreen Modes, Auto Format, Subtitle and Heading Shift
- **Clock:** Smart Clock
- **Child Protection:** Child Lock+Parental Control
- **Picture in Picture:** 2 tuner PIP, Mozaic

### Tuner/Reception/Transmission

- **TV system:** NTSC
- **Video Playback:** NTSC
- **Aerial Input:** 75 ohm F-type

### Connectivity

- **Other connections:** Analog audio Left/Right out, Centre Speaker connection in, Monitor out, CVBS, L/R (cinch), Subwoofer out
- **AV 1:** (I, 2, 3Fh autoranging), Audio L/R in, Component Video in, Y/C, YPbPr
- **AV 2:** (I, 2, 3Fh autoranging), Audio L/R in, Component Video in, CVBS, RGB+H/V, Y/C, YPbPr
- **AV 3:** Audio L/R in, HDCP, HDMI (Digital Stream & S/PDIF)

### Power

- **Power consumption:** 426 W
- **Standby power consumption:** 2.6
- **Mains power:** AC 110-120V (+/- 10%)
- **Ambient temperature:** +5 -/+ 40 C

### Dimensions

- **Product weight:** 42 kg
- **Weight incl. Packaging:** 54 kg
- **Color cabinet:** Pearl White Sliver 11092

### Accessories

- **Included Accessories:** HDMI-DVI adapter cable, Table top stand, Wall mounting bracket

## Product highlights

### Plasma WXGA Panel, 1024 x 768p

This state-of-the-art plasma screen technology gives you widescreen HD resolution of up to 1024 x 768p pixels. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

### Pixel Plus 2

Pixel Plus 2 is a digital picture processing technology that improves the resolution of still and moving pictures. It does more than adding pixels, it also makes the pixels better, resulting in incredible sharpness and picture depth every time and from any source. And it does not just improve the resolution either, because you also benefit from improved color reproduction, resulting in the finest color details and superior brilliance.

### Digital Natural Motion

Philips invented Digital Natural Motion to eliminate juddering effects that are visible with moving picture content. Digital Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level.

### Progressive Scan

Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

### 3D Combfilter

The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

### Ambilight

The full-color ambient lights offers you relaxed viewing and a unique ambiance via a soft light glow on the walls surrounding the TV. Research has shown that watching television with adapted ambient lighting promotes more relaxed TV viewing. The Ambilight colors automatically adapt to the images on the screen to add a new sensation to the viewing experience. The light can also be switched to fixed colors or various shades of white. In standby mode, the lights can be operated to any color and create a unique ambiance in the room.

### Virtual Dolby Surround

Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

### HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.



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